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Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.

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Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

ALCATEL

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☐ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

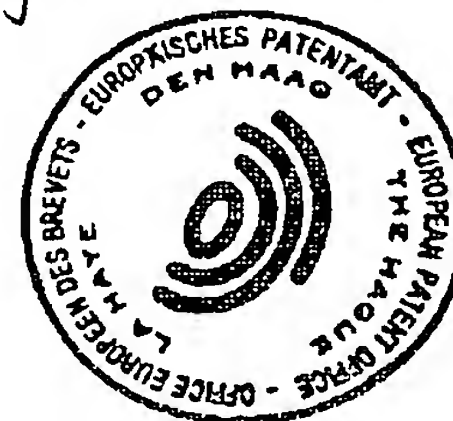
☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 2

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A	I		
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REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	US 5 592 492 A (LIU PETER T ET AL) 7 January 1997 (1997-01-07) * the whole document * ---	1-10	H03M13/27
A	DE 43 16 813 A (PHILIPS PATENTVERWALTUNG) 24 November 1994 (1994-11-24) * the whole document * ---	1-10	
A	EP 0 954 109 A (MATSUSHITA ELECTRIC IND CO LTD) 3 November 1999 (1999-11-03) ---		
D,A	US 5 764 649 A (TONG PO) 9 June 1998 (1998-06-09) ---		
A	EP 0 681 373 A (GEN INSTRUMENT CORP) 8 November 1995 (1995-11-08) -----		
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H03M
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 28 November 2002	Examiner Devergranne, C
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 29 1968

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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28-11-2002

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 5592492	A	07-01-1997	US	5745497 A	28-04-1998
DE 4316813	A	24-11-1994	DE	4316813 A1	24-11-1994
EP 0954109	A	03-11-1999	EP	0954109 A2	03-11-1999
			JP	2000022556 A	21-01-2000
			US	6411654 B1	25-06-2002
US 5764649	A	09-06-1998	AU	2583597 A	22-10-1997
			WO	9737434 A1	09-10-1997
EP 0681373	A	08-11-1995	US	5537420 A	16-07-1996
			AU	683355 B2	06-11-1997
			AU	1784995 A	09-11-1995
			CA	2148199 A1	05-11-1995
			EP	0681373 A2	08-11-1995
			JP	8065177 A	08-03-1996
			NO	951715 A	06-11-1995